OhioEPA

Re: Compliance Report Violations
National Pretreatment Program
Electroplating Pretreatment Standards
Ohio EPA Station Code 2PD00031103

Mr. John L. Holden
Bendix Autolite
P. O. Box 880
Fostoria, Ohio 44830

February 20, 1985

Dear Mr. Holden:

We are in receipt of your semi-annual self-monitoring report covering compliance with the electroplating pretreatment standards (40 CFR Part 413) for the referenced facility. Our review indicates violations of the limitations contained in 40 CFR Part 413. The specific instances of non-compliance and/or deficiencies are as follows:

Parameter	Reported	Units	Limitation
Zinc (Total)	3,000	ug/l	1,800 (max.)
Zinc (Total)	32,000	ug/l	1,800 (max.)
Zinc (Total)	9,450	ug/l	1,100 (avg.)
Total Metals	32,120	ug/l	4,400 (max.)
Total Metals	9,505	ug/l	2,900 (avg.)

Please be advised that failure to comply with the effluent limitations or to satisfy the monitoring or reporting requirements of the above regulations may be cause for enforcement action.

We have reviewed your report addressing the reasons for the above violations and the actions being taken to prevent further occurrences. Hopefully, these actions will prevent any recurrence so that enforcement action will not be required. Although no additional information is requested at this time, you are required to report progress to this office within two weeks after each date on the submitted schedule.

If there are any questions, please contact this office.

Sincerely,

Jeffery A. Steers
District Engineer

/jw

cc: R. Haas, City Engineer's Office
cc: V. Jones, U.S. EPA, Region V
cc: Matt Tin, Public Wastewater

Northwest District Office
1035 Devlac Grove Drive, Bowling Green, Ohio 43402-4598 (419) 352-8461

MONTHLY REPORT FORM

AGENCY COPY

OhioEPA

NAME, ADDRESS, CITY, COUNTY, ZIP
CITY OF FOSTORIA

STATION CODE
2PD00031102

REPORTED
DATE (MONTH, YEA..,
DEC 1984

PAGE 1 OF 1

PRINTING DATE

APPLICATIC

SAMPLING STATION DESCRIPTION

BENDIX AUTOLITE / OUTFALL 001

NOTE: THIS FORM MUST BI

IN(1) - ENTER 1 FOR CONTINUOUS, 2 FOR COMPOSITE, 3 FOR GRAB SAMPLE
IN(2) - ENTER FREQUENCY OF SAMPLING

REPORTING LAB
The Chester Engineers

ANALYST
R. P. Helwick

ENTER ANALYSIS PARAMETER AND CODE NO. AT RIGHT

DAY	FLOW RATE GPD REPORTING CODE 00056	CYANID CN MG/L REPORTING CODE 00720	CAD CD,TOT UG/L REPORTING CODE 01027	CHROM CR,TOT UG/L REPORTING CODE 01034	COPPER CU,TOT UG/L REPORTING CODE 01042	LEAD PB,TOT UG/L REPORTING CODE 01051	NICKEL NI,TOT UG/L REPORTING CODE 01067	ZINC ZN,TOT UG/L REPORTING CODE 01092	TOTAL METALS UG/L REPORTING CODE 82095	REPORTIN
(1)	3	2	2	2	2	2	2	2	2	
(2)	24	24	24	24	24	24	24	24	24	
01	AH	0.08	<10	<10	40	<50	<50	1,200	1,240	
02	AH	0.06	<10	<10	90	<50	<50	2,300	2,390	
03	AH	0.03	<10	<10	50	<50	<50	1,600	1,650	
04	AH	0.07	<10	<10	60	<50	<50	1,200	1,260	
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TOTAL	--	0.24	<40	<40	240	<200	<200	6,300	6,540	
AVG.	223,000	0.06	<10	<10	60	<50	<50	1,575	1,635	
MAX.	384,000	0.08	<10	<10	90	<50	<50	2,300	2,390	
MIN.	188,000	0.03	<10	<10	40	<50	<50	1,200	1,240	

DDITIONAL REMARKS (AH REPORTING CODES MUST BE EXPLAINED IN THIS SECTION)

Flows not measured during this sampling period (11/12-16/84). Flows are those measured during th baseline monitoring survey (2/13-16/84) with adjustments for diverting the zinc plater flow from Outfall 001 to Outfall 002.

DISTRIBUTION
WHITE - AGENCY
YELLOW - AGENCY
GREEN - REPORTER

FORM NO. EPA-4500 (10-80)
FORMERLY EPA-SUR-1

I CERTIFY UNDER THE PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED AND BASED ON MY INQU THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETI AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
December 17, 1984	M. W. Semeyn	Vice Pres. & Gen. Manager

AGENCY COPY

MONTHLY REPORT FORM

OhioEPA

NAME, ADDRESS, CITY, COUNTY, ZIP	STATION CODE	REPORTED DATE (MONTH, YEAR)	PAGE	PRINTING DATE	APPLICATIO
CITY OF FOSTORIA	2PD00031103	DEC 1984	1 OF 1		

SAMPLING STATION DESCRIPTION

BENDIX AUTOLITE / OUTFALL 002

NOTE: THIS FORM MUST BE

IN(1) - ENTER 1 FOR CONTINUOUS, 2 FOR COMPOSITE, 3 FOR GRAB SAMPLE
IN(2) - ENTER FREQUENCY OF SAMPLING

REPORTING LAB: The Chester Engineers

ANALYST: R. P. Helwick

ENTER APPROPRIATE PARAMETER AND CODE NO. AT RIGHT / DAY		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
		3	2	2	2	2	2	2	2	2	
		24	24	24	24	24	24	24	24	24	
		FLOW RATE GPD	CYANID CN MG/L	CAD CD,TOT UG/L	CHROM CR,TOT UG/L	COPPER CU,TOT UG/L	LEAD PB,TOT UG/L	NICKEL NI,TOT UG/L	ZINC ZN,TOT UG/L	TOTAL METALS UG/L	
		REPORTING CODE 00056	REPORTING CODE 00720	REPORTING CODE 01027	REPORTING CODE 01034	REPORTING CODE 01042	REPORTING CODE 01051	REPORTING CODE 01067	REPORTING CODE 01092	REPORTING CODE 82095	REPORTIN
01		AH	<0.005	<10	<10	40	<50	<50	3,000	3,040	
02		AH	0.02	<10	<10	120	<50	<50	32,000	32,120	
03		AH	0.02	<10	<10	40	<50	<50	1,800	1,840	
04		AH	0.02	<10	<10	20	<50	<50	1,000	1,020	
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TOTAL		--	<0.065	<40	<40	220	<200	<200	37,800	38,020	
AVG.		40,700	0.016	<10	<10	55	<50	<50	9,450	9,505	
MAX.		67,500	0.02	<10	<10	120	<50	<50	32,000	32,120	
MIN.		10,000	<0.005	<10	<10	20	<50	<50	1,000	1,020	

ADDITIONAL REMARKS (AH REPORTING CODES MUST BE EXPLAINED IN THIS SECTION)

Flows not measured during this sampling period (11/12-16/84). Flows are those measured during the baseline monitoring survey (2/13-16/84) with adjustments for diverting the zinc plater flow from Outfall 001 to Outfall 002.

DISTRIBUTION
WHITE - AGENCY
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FORM NO. EPA-4500 (10-80)
FORMERLY EPA-SUR-1

I CERTIFY UNDER THE PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED AND BASED ON MY INQU THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

DATE REPORT COMPLETED	SIGNATURE OF REPORTER	TITLE OF REPORTER
December 17, 1984	M. W. Semeyn	Vice Pres. & Gen. Manager

Autolite

P.O. Box 880 Fostoria, Ohio 44830 Telephone (419) 435-6655

December 21, 1984

Ms. Joan Tompko
Pretreatment Unit
Ohio EPA
P. O. Box 1049
Columbus, Ohio 43216-1049

RE: National Pretreatment Program
Industrial Users of POTWs
Electroplating Compliance Reports

Dear Joan:

Enclosed are the results of analyses performed on samples of outfalls 001 and 002 collected during the period of November 12-16, 1984, by the Chester Engineers. Also enclosed is a summary of that report written by Chester Engineers and the eletroplating compliance schedule.

As we discussed, the report forms for outfalls 001 and 002 represent the results of the subsequently abandoned project to route the zinc mechanical plater effluent from outfall 001 to the filter press and discharge to outfall 002. However, the spent glaze with zinc content and spent ceramic will continue to pass through the filter press prior to discharge at outfall 002.

It is my understanding that an analyses on samples of outfall 001 must be performed in advance of the next required June 1985 reporting period to demonstrate our continued compliance with the electroplating standards.

If you should have any questions regarding this data, please feel free to contact me at (419) 435-6688.

Respectfully submitted,

John L. Holden

Enclosures

cc: C. L. Dodge, POTW
R. B. Anderson
J. A. Herman

2PF000510(2)(3)

Architects
Planners
Suite 16
Ann Arbor
Michigan 48104
313 973-0700

TheChesterEngineers

Ref. No. 3425-02

December 17, 1984

Mr. J. L. Holden
Bendix Autolite Corporation
P.O. Box 880
Fostoria, OH 44830

Dear Mr. Holden:

Re: Autolite P.O. No. 525485
Electroplating Guidelines Periodic Monitoring

Enclosed are the results of analyses performed on samples of Outfalls 001 and 002 collected during the period of November 12-16, 1984 (Table 1). Also enclosed are tables comparing the analytical results with the Electroplating Guideline Standards (Tables 2 and 3) and the form required by the Ohio EPA for this Periodic Monitoring Report. You will note that for the metals, the Ohio EPA is requiring that the results be reported in micrograms per liter as opposed to the units of milligrams per liter utilized on our analysis report. Hence, the 1,000-fold increase in the numbers for the metals from our laboratory report to the Ohio EPA form.

As shown by Table 2, Outfall 001 is now in compliance with the Electroplating Guidelines. Although Table 3 demonstrates that Outfall 002 is in violation of the Electroplating Guidelines for zinc and total metals, a vast improvement is noted in the quality of this outfall from the baseline monitoring period (2/13-16/84). During the baseline period the zinc values measured were 213 mg/L average and 438 mg/L maximum. In addition, violations of the Electroplating Guidelines for copper and lead were also measured during the baseline monitoring survey.

If you have any questions concerning these data, please do not hesitate to contact me. We look forward to assisting you with future phases of your compliance program for the Electroplating and Metal Finishing Guidelines.

Respectfully submitted,

Craig E. Yendell, P.E.
Senior Engineer
Midwest Regional Office

cc: J. A. Herman

A Division Of
The Chester Engineers
P.O. Box [illegible]
Pittsburgh
Pennsylvania 15238
Phone: (412) [illegible]

Table 1

Laboratory Analysis Report
For

Bendix Autolite Corporation
Fostoria, Ohio

Samples Received: 11/19/84
Report Date: 12/14/84

Analyses

Source	Outfall 001	Outfall 001	Outfall 001	Outfall 001
Log No. 84-	8206	8207	8208	8209
Date Collected	11/12-11/13/84	11/13-11/14/84	11/14-11/15/84	11/15-11/16/84
Total Cyanide, mg/L CN	0.08	0.06	0.03	0.07
Cadmium, mg/L Cd	<0.01	<0.01	<0.01	<0.01
Total Chromium, mg/L Cr	<0.01	<0.01	<0.01	<0.01
Copper, mg/L Cu	0.04	0.09	0.05	0.06
Lead, mg/L Pb	<0.05	<0.05	<0.05	<0.05
Nickel, mg/L Ni	<0.05	<0.05	<0.05	<0.05
Zinc, mg/L Zn	1.2	2.3	1.6	1.7

Source	Outfall 002	Outfall 002	Outfall 002	Outfall 002
Log No. 84-	8210	8211	8212	8213
Date Collected	11/12-11/13/84	11/13-11/14/84	11/14-11/15/84	11/15-11/16/84
Total Cyanide, mg/L CN	<0.005	0.02	0.02	0.02
Cadmium, mg/L Cd	<0.01	<0.01	<0.01	<0.01
Total Chromium, mg/L Cr	<0.01	<0.01	<0.01	<0.01
Copper, mg/L Cu	0.04	0.12	0.04	0.02
Lead, mg/L Pb	<0.05	<0.05	<0.05	<0.05
Nickel, mg/L Ni	<0.05	<0.05	<0.05	<0.05
Zinc, mg/L Zn	3.0	32	1.8	1.0

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- Unless otherwise noted, analyses are in accordance with the methods and procedures outlined and approved by the Environmental Protection Agency and conform to quality assurance protocol.
- "Less-than" (<) values indicative of the detection limit.

ALLIED AUTOMOTIVE
AUTOLITE CORPORATION
FOSTORIA, OHIO

TABLE 2

COMPARISON OF ELECTROPLATING
GUIDELINE LIMITATIONS TO
PLANT EFFLUENT QUALITY
OUTFALL NUMBER 001

	Electroplating Guideline Limitations[1,2]		Results of Outfall Composites	
	Daily Maximum	4-Day Average	Daily Maximum	4-Day Average
Total Cyanide, mg/L CN	1.53	0.81	0.08	0.06
Cadmium, mg/L Cd	0.97	0.57	<0.01	<0.01
Chromium, mg/L Cr	5.65	4.44	<0.01	<0.01
Copper, mg/L Cu	3.63	2.18	0.09	0.06
Lead, mg/L Pb	0.48	0.25	<0.05	<0.05
Nickel, mg/L Ni	3.31	2.09	<0.05	<0.05
Zinc, mg/L Zn	3.39	2.09	2.30	1.58
Total Metals, mg/L (Cr, Cu, Ni, Zn)	8.43	5.49	2.39	1.64

[1]Calculated Pretreatment Standards are based upon a factor of 0.807 of the published Pretreatment Standards. This was obtained by the use of the combined wastewater formula (Attachment II) and from flow sampling data which indicated a total flow at the sampling location of 223,000 gpd of which 180,000 gpd was process wastewater.

[2]Compliance with the cyanide and metal limitations is required by June 30, 1984.

ALLIED AUTOMOTIVE
AUTOLITE CORPORATION
FOSTORIA, OHIO

TABLE 3

COMPARISON OF ELECTROPLATING
GUIDELINE LIMITATIONS TO
PLANT EFFLUENT QUALITY
OUTFALL NUMBER 002

	Electroplating Guideline Limimtations[1,2]		Results of Outfall Composites	
	Daily Maximum	4-Day Average	Daily Maximum	4-Day Average
Total Cyanide, mg/L CN	0.81	0.42	0.02	0.016
Cadmium, mg/L Cd	0.51	0.30	<0.01	<0.01
Chromium, mg/L Cr	2.96	1.69	<0.01	<0.01
Copper, mg/L Cu	1.90	1.13	0.12	0.05
Lead, mg/L Pb	0.25	0.13	<0.05	<0.05
Nickel, mg/L Ni	1.73	1.09	<0.05	<0.05
Zinc, mg/L Zn	1.77	1.09	32	9.4
Total Metals, mg/L (Cr, Cu, Ni, Zn)	4.43	2.87	32	9.5

[1]Calculated Pretreatment Standards are based upon a factor of 0.422 of the published Pretreatment Standards. This was obtained by the use of the combined wastewater formula (Attachment II) and from flow sampling data which indicated a total flow at the sampling location of 40,700 gpd of which 17,200 gpd was process wastewater.

[2]Compliance with the cyanide and metal limitations is required by June 30, 1984.

TheChesterEngr
Engineers
Architects
Planners
2002 Hogback Road
Suite 16
Ann Arbor, Michigan 48104

DATE December 17, 1984

JOB NO. 3425-02/90

ATTENTION John Holden

RE Baseline/Compliance
Solid Waste Analysis
Filter Press Clay

TO: Allied Automotive
Autolite Corporation
P.O. Box 880
Fostoria, OH 44830

GENTLEMEN:

We are sending [X] herewith [ ] under separate cover the following items:

[ ] Shop Drawings [ ] Plans Analytical Results and U.S. EPA Limitations

Copies	Drawing No.	Description

These are transmitted as checked below:

[ ] Approved [ ] Not Approved [ ] For Review & Comment

[ ] Approved As Corrected [X] For Your Use [ ] For Approval

[ ] Revise & Resubmit [ ] As Requested [ ] _____

Remarks This sample was collected by Autolite personnel. The results demonstrate that this sample was not hazardous.

Copies to: J. A. Herman

By Craig E. Yendell

Craig E. Yendell, P.E.
Senior Engineer
Midwest Regional Office

Laborato s
A Division Of
TheChesterEngineers
P.O. Box [illegible]
Pittsburgh
Pennsylvania 15225
Phone: (412) [illegible]

Laboratory Analysis Report
For

Bendix Autolite Corporation
Fostoria, Ohio

Samples Received: 11/19/84
Report Date: 12/14/84

Analyses

Source	Filter Press (Clay)
Log No. 84-	8186
pH	9.1
Flash Point, °F	Solid; Does Not Burn
Corrosivity	Non-Corrosive
Reactivity	Non-Reactive
Total Cyanide, ppm CN	0.7
Total Sulfide, ppm S	<1
EP Toxicity Test:	
pH	4.9
Arsenic, mg/L As	<0.005
Barium, mg/L Ba	0.2
Cadmium, mg/L Cd	0.04
Total Chromium, mg/L Cr	0.02
Copper, mg/L Cu	0.24
Lead, mg/L Pb	0.06
Mercury, mg/L Hg	<0.001
Nickel, mg/L Ni	0.08
Selenium, mg/L Se	<0.005
Silver, mg/L Ag	<0.005
Zinc, mg/L Zn	35
Water Extract (EP Toxicity Test without Acetic Acid):	
pH	9.0
Total Cyanide, mg/L CN	<0.005

3422-90

- Unless otherwise noted, analyses are in accordance with the methods and procedures outlined and approved by the Environmental Protection [illegible]y and conform to quality assurance protocol.
- "Less-than" (<) values [illegible] indicative of the detection

ALLIED AUTOMOTIVE
AUTOLITE CORPORATION
FOSTORIA, OHIO

U.S. EPA HAZARDOUS WASTE LIMITATIONS
FOR EP TOXICITY

	U.S. EPA Limitations
EP Toxicity Test:	
Arsenic, mg/L As	5.0
Barium, mg/L Ba	100.0
Cadmium, mg/L Cd	1.0
Total Chromium, mg/L Cr	5.0
Lead, mg/L Pb	5.0
Mercury, mg/L Hg	0.2
Selenium, mg/L Se	1.0
Silver, mg/L Ag	5.0
Copper, mg/L Cu	100.0[1]
Zinc, mg/L Zn	500.0[1]
Nickel, mg/L Ni	20.0[2]
Water Extract:	
Total Cyanide	20.0[1]

[1]State of Michigan Limits Only. Reported in case potential disposal site is located in Michigan.

[2]Guideline number. Regulations currently do not contain a limitation for nickel.